

**Appln No. 09/839,944**

**Amdt date April 6, 2004**

**Reply to Office action of January 6, 2004**

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (Previously Presented) A content indexing structure comprising:

a first indexing level having a plurality of first level content indexes connected in a substantially circular manner, one of the first level content indexes representing a particular category associated with a particular feature; and

a second indexing level having a plurality of second level content indexes, each of the second level content indexes having a weighing value indicative of an association with the first level content index representing the particular category, the plurality of second level content indexes being arranged in a substantially circular manner according to the weighing value.

2. Cancelled

3. (Previously Presented) The structure of claim 1, wherein the category is selected from a group consisting of types, keywords, viewing patterns and database reference data.

4. (Previously Presented) The structure of claim 1, wherein moving between contents indexed by the content indexing structure includes moving from the first indexing level to the

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second indexing level or from the second indexing level to the first indexing level according to a user's manipulations of an input device.

5. (Previously Presented) The structure of claim 1, wherein moving between contents indexed at the first indexing level includes moving an input device in a clockwise or counterclockwise direction between associated first level content indexes in a substantially circular manner according to a user's manipulations of the input device.

6. (Previously Presented) The structure of claim 1, wherein moving between contents indexed at a second indexing level includes moving an input device in a clockwise or counterclockwise direction between associated second level content indexes in a circle according to a user's manipulations of the input device.

7. (Previously Presented) The structure of claim 1, wherein when a present indexing level is changed according to [the] a user's manipulation of an input device, a relationship of the first and second indexing levels with respect to the present indexing level is updated after the movement.

8. (Previously Presented) A contents display system comprising:

a memory;

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a contents features analyzer for analyzing features of at least one content provided from a media source and storing information on the analyzed features and information on one or more content indexes for accessing the content from the memory; and

a content selector for retrieving the content corresponding to the content index stored in the memory according to a user's request, wherein indexes are generated according to a content indexing structure based on the analyzed features, the content indexing structure including:

a first indexing level having a plurality of first level content indexes connected in a substantially circular manner, one of the first level content indexes representing a particular category associated with a particular feature; and

a second indexing level having a plurality of second level content indexes, each of the second level content indexes having a weighing value indicative of an association with the first level content index representing the particular category, the plurality of second level content indexes being arranged in a substantially circular manner according to the weighing value.

9. (Previously Presented) The system of claim 8, wherein the first level content index representing the particular category best exemplifies the particular feature of the category.

10. (Previously Presented) The system of claim 9, wherein the category is selected from a group consisting of types,

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keywords, viewing patterns and database references extracted from the content information.

11. (Previously Presented) The system of claim 9, wherein moving between contents indexed by the content indexing structure includes moving from the first indexing level to the second indexing level or from the second indexing level to the first indexing level according to a user's manipulations of the contents selector.

12. (Previously Presented) The system of claim 9, wherein moving between contents indexed at the first indexing level includes moving the contents selector in a clockwise and counterclockwise direction between associated first level content indexes according to a user's manipulations of the contents selector.

13. (Previously Presented) The system of claim 9, wherein moving between contents indexed at the second indexing level includes moving the contents selector in a clockwise and counterclockwise direction between associated second level content indexes according to a user's manipulations of the contents selector.

14. (Previously Presented) The system of claim 9, wherein when a user moves to a third indexing level coupled to the first and second indexing levels, a relationship of the first and

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second indexing levels with respect to the third indexing level is changed.

15. (Previously Presented) The system of claim 9, wherein the contents selector comprises:

a first contents selector for controlling a display of contents associated with the first level content indexes when the first level content indexes stored in the memory are selected according to a user's manipulations; and

a second contents selector for controlling a display of contents associated with the second level content indexes when the second level content indexes stored in the memory are selected according to a user's manipulations.

16. (Previously Presented) The content indexing structure of claim 1, wherein a second level content index with a highest weighing value is logically coupled to the first level content index representing the particular category, the logical coupling allowing a user to traverse from the first indexing level to the second indexing level, or vice versa.

17. (Previously Presented) The content indexing structure of claim 1, wherein the second level content index with the highest weighing value is most closely associated with the particular category.

18. (Previously Presented) The content indexing structure of claim 1, wherein a first level content index associated with

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one category is logically coupled to another first level content index associated with another category.

19. (Previously Presented) The content indexing structure of claim 1, wherein a second level content index associated with one category is logically coupled to another second level content index associated with another category.

20. (Previously Presented) The content indexing structure of claim 1, wherein a user traverses from the first level content index representing the particular category to a second level content index with the highest weighing value associated with the first level content index, and from the second level content index to another second level content index associated with a different category without reverting back to the first indexing level.

21. (Previously Presented) The content indexing structure of claim 1, wherein a first or second level content index is used to retrieve corresponding content.

22. (Previously Presented) The content indexing structure of claim 1, wherein the substantially circular manner is a circle.

23. (Previously Presented) The content indexing structure of claim 1, wherein the substantially circular manner is an oval.

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24. (Currently Amended) The system of claim [9] 8, wherein a second level content index with a highest weighing value is logically coupled to the first level content index representing the particular category, the logical coupling allowing a user to traverse from the first indexing level to the second indexing level, or vice versa.

25. (Currently Amended) The system of claim [9] 8, wherein the second level content index with the highest weighing value is most closely associated with the particular category.

26. (Currently Amended) The system of claim [9] 8, wherein a first level content index associated with one category is logically coupled to another first level content index associated with another category.

27. (Currently Amended) The system of claim [9] 8, wherein a second level content index associated with one category is logically coupled to another second level content index associated with another category.

28. (Currently Amended) The system of claim [9] 8, wherein a user traverses from the first level content index representing the particular category to a second level content index with the highest weighing value associated with the first level content index, and from the second level content index to

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another second level content index associated with a different category without reverting back to the first indexing level.

29. (Currently Amended) The system of claim [9] 8, wherein a first or second level content index is used to retrieve corresponding content.

30. (Currently Amended) The system of claim [9] 8, wherein the substantially circular manner is a circle.

31. (Currently Amended) The system of claim [9] 8, wherein the substantially circular manner is an oval.

32. (Previously Presented) A method of manipulating a user input device for traversing a circular indexing structure, the method comprising:

selecting a first indexing level having a plurality of first level content indexes connected in a substantially circular manner, one of the first level content indexes representing a particular category associated with a particular feature;

selecting the first level content index representing the particular category associated with the particular feature; and

moving the user input device to select a particular second level content index in a second indexing level associated with the selected first level content index, the second indexing level having a plurality of second level content indexes having

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a weighing value indicative of an association with the selected first level content index, the second level content indexes being arranged in a substantially circular manner according to the weighing value.

33. (Previously Presented) The method of claim 32, wherein the selected particular second level content index has a highest weighing value.

34. (Previously Presented) The method of claim 32, wherein the selected particular second level content index is most closely associated with the particular category.

35. (Previously Presented) The method of claim 32, wherein a user traverses from the first level content index representing the particular category to the particular second level content index, and from the particular second level content index to another second level content index associated with a different category without reverting back to the first indexing level.

36. (Previously Presented) The method of claim 32 further comprising using a first or second level content index is used to retrieve corresponding content.

37. (Previously Presented) The method of claim 32, wherein the substantially circular manner is a circle.

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38. (Previously Presented) The method of claim 32, wherein the substantially circular manner is an oval.

39. (New) The content indexing structure of claim 1, wherein the first level content index is selected from the second level content indexes.

40. (New) The system of claim 8, wherein the first level content index is selected from the second level content indexes.